Contents

Preface vii

Group photograph viii
List of participants x

A review of the genus *Ilyocryptus* (Crustacea: Anomopoda) from Europe
by P. Štifter 1
A comparison of populations from the *Daphnia similis* group (Cladocera: Daphniidae)
by I. Hudec 9
The genus *Diaphanosoma* (Ctenopoda: Sididae) in Spain
by D. Jaume 23
Review of Iberian Cladocera with remarks on ecology and biogeography
by M. Alonso 37
Additional cladoceran records for Mantecal and new for Venezuela
by E. Zoppi de Roa & W. Vasquez 45
Comparative-morphological and comparative-ecological analysis of the Sidoidea (Crustacea: Daphniiformes): the main moments of the topic
by N. M. Korovchinsky 63
The *Bosmina kessleri*-like morphotype of *Eubosmina* in Lake Muskoka, Ontario, Canada, as putative interspecific hybrids
by U. Lieder 71
The late-glacial/holocene *Bosmina* (*Eubosmina*) fauna of Lake Constance (Untersee) (F.R.G.): traces of introgressive hybridization
by W. Hofmann 81
The history of the genus *Eubosmina* in Lake Mondsee (Upper Austria)
by A. Nauwerck 87
Impact of prehistoric settlements on the Cladocera in the sediments of Lakes Suszek, Błędowo, and Skrzetuszewskie
by K. Szeroczyńska 105
The influence of biomass and structure of the crustacean plankton on the water transparency in the Saidenbach storage reservoir
by W. Horn 115
Effect of food conditions on the bacterial feeding of *Daphnia galeata*
by J. Urabe & Y. Watanabe 121
Mechanisms of food selection in *Daphnia*
by H. J. Hartmann & D. D. Kunkel 129
Feeding behaviour and morphology of the filtering combs of *Daphnia galeata*
by E. Stuchlík 155
Mechanisms of the filtering area adaptation in *Daphnia*
by M. Pop 169

Effect of previous feeding conditions on survival in *Daphnia pulicaria* (Crustacea: Cladocera)
by Z. Stuchlíková 177
Reproductive effort in *Daphnia galeata*: comparison of reservoir and pond populations
by Z. Brandl & M. Wittingerová 185
Indirect effect of planktivorous fish on the growth and reproduction of *Daphnia galeata*
by J. Macháček 193
Density and size distribution of *Daphnia* populations at different fish predation levels
by M. Černý & J. Bytel 199
Impact of fishery management on Cladoceran populations
by M. Pražáková 209
An analysis of the phototactic behaviour of *Daphnia magna* clones and their sexual descendants
by L. De Meester 217
Ecological genetics of Norwegian *Daphnia*. II. Distribution of *Daphnia longispina* genotypes in relation to short-wave radiation and water colour
by A. Hobæk & H. G. Wolf 229
Differences in life-history and aging in two clonal groups of *Daphnia cucullata* Sars (Crustacea: Cladocera)
by D. Ebert & J. Jacobs 245
The components of life-history traits variation in *Daphnia magna* population
by L. Y. Yampolsky & B. A. Kalabushkin 255
Differences in demographic parameters among electrophoretic clones of *Daphnia obtusa* Kurz (Crustacea: Cladocera)
by A. Bachiorri, V. Rossi & P. Menozzi 263
Photoperiod and temperature as inducers of gamogenesis in a dicyclic population of *Scapholeberis armata* Herrick (Crustacea: Cladocera: Daphniidae)
by D. B. Berner, L. Nguyen, S. Nguy & S. Burton 269
Intraspecific variability in response to stimuli for male and ephippia formation in *Daphnia pulex*
by P. Larsson 281
Salinity tolerance and morphology of the osmoregulation organs in Cladocera with special reference to Cladocera from the Aral sea
by N. V. Aladin 291
Self-maintaining plankton: pelagic Cladocera in small microcosms with lake water
by V. F. Matveev 301
Succession of cladocerans in a northern Italian ricefield
by I. Ferrari, A. Bachiorri, F. G. Margaritora & V. Rossi 309
Qualitative changes in the planktonic Cladocera assemblage of a High Tatra Mountains lake during the last 100 years
by M. Vranovský 319